Amendments to the Claims

Claim 1 (Currently amended): A storm door mortise lock that prevents lockout, ~~the mortise lock body~~ comprising:

a pair of side plates;

a dead bolt ~~assembly~~ installed between the side plates;

a cam rotatably secured between the side plates and ~~in operative interaction with~~ extending into a notch in the dead bolt ~~assembly~~;

a spring installed between the side plates and outside the dead bolt, ~~in operative interaction with~~ and engaging the cam, and ~~biasing the deadbolt~~ so as to bias the dead bolt toward either a locked or unlocked position.

Claim 2 (Original): The storm door mortise lock of claim 1 wherein the spring further limits the rotation of the cam.

Claim 3 (Original): The storm door mortise lock of claim 1 wherein the cam includes a cam through hole.

Claim 4 (Original): The storm door mortise lock of claim 1 wherein the cam is actuated by a spindle rotatably secured to a separate key cylinder.

Claim 5 (Original): The storm door mortise lock of claim 1 wherein the cam is actuated by a spindle rotatably secured to a separate thumb turn button.

Claim 6 (Currently amended): The storm door mortise lock of claim 1 wherein the ~~deadbolt~~ dead bolt has a stop to limit the rotation of the cam.

Claim 7 (Currently amended): The storm door mortise lock of claim 1 wherein the ~~deadbolt~~ dead bolt and cam are interconnected.

Claim 8 (Currently amended): A storm door mortise lock that prevents lockout, ~~the mortise lock body~~ comprising:

~~a mortise lock body with a plurality~~a pair of side plates;

a cam rotatably secured between the side plates;

a dead bolt ~~assembly wherein the cam includes a cam body and a cam arm and the cam arm operatively interacts with the dead bolt assembly~~ installed between the side plates and operatively interacting with the cam; and

~~the deadbolt assembly having~~ a stop ~~within to~~ formed in the dead bolt to engage the cam and thereby prevent lockout.

Claim 9 (Currently amended): The storm door mortise lock of claim 8 wherein the cam ~~arm~~ has a finger ~~attached to the arm and~~ extending into the ~~deadbolt assembly~~ dead bolt.

Claim 10 (Currently amended): The storm door mortise lock of claim 9 wherein the ~~deadbolt assembly~~ dead bolt has a first notch which permits unobstructed rotation of the cam ~~arm~~.

Claim 11 (Cancelled).

Claim 12 (Currently amended): The storm door mortise lock of claim 10 wherein the ~~deadbolt assembly~~ dead bolt has a second notch within the first notch that interacts with the cam finger.

Claim 13 (Currently amended): The storm door mortise lock of claim 12 wherein the second notch has a closed end that prevents the cam finger from passing ~~and create~~ into a lockout situation.

Claim 14 (Currently amended): The storm door mortise lock of claim 12 wherein the second notch has a lock indent that is approximately perpendicular to the cam finger when the ~~deadbolt assembly~~ dead bolt is in a locked position that prevents unintentional closing of the ~~deadbolt~~ dead bolt.

Claim 15 (Currently amended): The storm door mortise lock of claim of claim 12 wherein the second notch has an unlock indent that is approximately perpendicular to the cam finger when the ~~deadbolt assembly~~ dead bolt is in an unlocked position that prevent unintentional opening of the ~~deadbolt~~ dead bolt.

Claims 16-18 (Cancelled).

Claim 19 (Currently amended): A storm door including a mortise lock, the storm door comprising:

a door body having opposite faces and an edge, wherein the edge has a mortise formed therein;

a key cylinder operatively connected to a mortise lock[[,]];

the mortise lock inserted into the mortise, the mortise lock having:

spaced apart side plates;

a cam having an orifice engaging a first spindle operatively connected to the key cylinder, the cam being rotatably secured between the side plates and having a cam body and a cam arm;

a dead bolt ~~assembly~~ mounted intermediate the side plates ~~to operatively interact with the dead bolt~~ and being moveable by the cam between a locked position and an unlocked position, the dead bolt having a stop ~~within~~ formed therein to limit rotation of the cam; and

a live bolt slidably mounted intermediate the side plates and actuated between an extended and retracted position; and

a handle on each face of the door to actuate the live bolt~~; and~~

~~a second spindle extending from one handle through the door to the other handle wherein the spindle actuates the live bolt~~.

Claim 20 (Currently amended): The storm door of claim 19 wherein the cam arm has a finger attached to the arm and extending into the ~~deadbolt assembly~~ dead bolt.

Claim 21 (Currently amended): The storm door of claim 20 wherein the ~~deadbolt assembly~~ dead bolt has a first notch which permits unobstructed rotation of the cam arm.

Claim 22 (Cancelled).

Claim 23 (Currently amended): The storm door of claim 21 wherein the ~~deadbolt assembly~~ dead bolt has a second notch within the first notch that interacts with the cam finger.

Claim 24 (Original): The storm door of claim 23 wherein the second notch has a closed end that prevents the cam finger from passing and create a lockout situation.

Claim 25 (Currently amended): The storm door of claim 23 wherein the second notch has a lock indent that is approximately perpendicular to the cam finger when the dead bolt~~deadbolt assembly~~ is in locked position that prevents unintentional closing of the ~~deadbolt~~ dead bolt.

Claim 26 (Currently amended): The storm door of claim 23 wherein the second notch has an unlock indent that is approximately perpendicular to the cam finger when the ~~deadbolt assembly~~ dead bolt is in an unlocked position that prevent unintentional opening of the ~~deadbolt~~ dead bolt.

Claim 27 (Currently amended): The storm door of claim 19 further comprising [[a]] first and second escutcheon plates, [[a]]the first spindle being between the first and second escutcheon plates, the key cylinder operatively linked to the first spindle, and a thumb turn operatively linked to the key cylinder by the first spindle.

Claim 28 (Currently amended): The storm door of claim 27 wherein the key cylinder, cam and thumb turn are operatively linked so that the length of the first spindle can be altered to allow the lock to be placed in a door body of varying thickness.

Claim 29 (Currently amended): The storm door of claim 28 wherein the first spindle is operatively linked to the cam by fitting through a hole in the cam.

Claim 30 (Currently amended): A storm door including a mortise lock, the storm door comprising:

a door body having opposite faces and an edge, wherein the edge has a mortise formed therein;

a key cylinder operatively connected to a mortise lock[[,]];

the mortise lock inserted into the mortise, the mortise lock having:

spaced apart side plates;

a cam having an orifice engaging a first spindle operatively connected to the key cylinder, the cam being rotatably secured between the side plates and including ~~having~~ a cam body and a cam arm;

a dead bolt ~~assembly~~ mounted intermediate the side plates ~~to operatively interact with the dead bolt~~ and being moveable by the cam between a locked position and an unlocked position, the dead bolt having a notch ~~within~~ therein to receive the cam;

a live bolt slidably mounted intermediate the side plates and actuated between an extended and retracted position; and

a spring outside the dead bolt to bias the dead bolt towards either the locked or unlocked positions;

a handle on each face of the door to actuate the live bolt.~~; and~~

~~a second spindle extending from one handle through the door to the other handle wherein the spindle actuates the live bolt.~~

Claim 31 (Currently amended): The storm door of claim [[19]]30 wherein the cam arm has a finger attached to the arm and extending into the ~~deadbolt assembly~~ dead bolt.

Claim 32 (Original): The storm door of claim 31 wherein the notch has a first portion which permits rotation of the cam arm.

Claim 33 (Cancelled).

Claim 34 (Original): The storm door of claim 31 wherein the notch has a second portion that interacts with the cam finger.

Claim 35 (Original): The storm door of claim 34 wherein the second portion has a closed end that prevents the cam finger from passing and creating a lockout situation.

Claim 36 (Currently amended): The storm door of claim 35 wherein the second portion has a lock indent that is approximately perpendicular to the cam finger when the dead bolt~~deadbolt assembly~~ is in locked position.

Claim 37 (Currently amended): The storm door of claim 35 wherein the second portion has an unlock indent that is approximately perpendicular to the cam finger when the ~~deadbolt assembly~~ dead bolt is in an unlocked position.

Claim 38 (Currently amended): The storm door of claim 30 further comprising [[a]] first and second escutcheon plates, [[a]]the first spindle being between the first and second escutcheon plates, the key cylinder operatively linked to the first spindle, and a thumb turn operatively linked to the key cylinder by the first spindle.

Claim 39 (Currently amended): The storm door of claim 38 wherein the key cylinder, cam and thumb turn are operatively linked so that the length of the first spindle can be altered to allow the lock to be placed in a door body of varying thickness.

Claim 40 (Currently amended): The storm door of claim 39 wherein the first spindle is operatively linked to the cam by fitting through a hole in the cam.

Claim 41 (New): A storm door mortise lock that prevents lockout, comprising:

a pair of side plates;

a dead bolt installed between the side plates and having first and second notches;

a cam rotatably secured between the side plates to move the dead bolt between locked and unlocked positions; and

the cam having an arm extending into the first notch in the dead bolt and a finger extending from the arm into the second notch in the dead bolt to interconnect the cam and the dead bolt.

Claim 42 (New): The storm door mortise lock of claim 41 wherein the finger extends angularly from the arm.

Claim 43 (New): The storm door mortise lock of claim 42 wherein the second notch is an angular extension from the first notch.

Claim 44 (New): The storm door mortise lock of claim 41 wherein the second notch has a lock indent that is approximately perpendicular to the cam finger when the dead bolt is in a locked position that prevents unintentional closing of the dead bolt.

Claim 45 (New): The storm door mortise lock of claim 41 wherein the second notch has a closed end that prevents the cam finger from passing into a lockout situation.